

**Name: SIREESHA AMARANENI**

Designation: ASSISTANT PROFESSOR

Department: ECE

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Experience (in years): 10.4 yrs  
any, specify):-NIL

Teaching: 10.4

Research: -NIL Others(if



**1.Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	(PhD)	Pursuing	Embedded systems. IoT
2.	M.TECH	2012	EMBEDDED SYSTEMS
3.	B.TECH	2007	ECE
4.	BIE	2003	MPC
5.	SSC	2001	SSC

**2.Teaching and Learning:**

2.1 Teaching Interests:

- Electronic Devices and Circuits, -Analog Electronics,
- Embedded Systems, -Pulse and Digital circuits
- Switching Theory and logic Design - Electronic Devices and Circuits
- Microprocessors & interfacing -Satellite Communications
- Microcontrollers & Applications - Introduction to Internet of Things
- Computer Organization -Digital system design

2.2 Novel Teaching & Learning Techniques adopted: Videos, PPT, NPTEL videos, WIT&WIL

2.3Involvement in curriculum updating / Design: NA

**3. Co-curricular and Extra-Curricular Activities**

3.1. Interests and Hobbies: Reading Books, Playing batmintton, Throwball

3.2. CCA/ECA Organized:Organized Passport Seva - Student Connect Program by TCS

3.3. CCA/ECA participated:

1. Artificial Intellegence by Future Learn by Accenture
2. Career Edge Knock down the Lockdown by TCS ION

3.4. Counselling and Mentoring Activity: actively involved in counselling and mentoring

3.5. Committees involved in:

Department level:

Institute Level: NA

**4. Conference / Workshop / Seminar / Guest Lectures :**

4.1 Conducted:

1. Getting started with Raspberry Pi
2. Workshop on app inventor using MIT AI2 companion

4.2 Attended:

1. 8-week Swayam course FDP on Data Science

2. 12-week Swayam course FDP on Introduction To IOT
3. CISCO CCNA Routing and switching essentials Module 2 certification course
4. CISCO CCNA Introduction to Networks Module 1 certification course
5. Moodle LMS by ICT IIT BOMBAY
6. STTP On Evaluating Students performance & Designing Question papers BY NITTTR, KOLKATA
7. Workshop on 8/16/32 bit microcontrollers
8. Workshop on IOT and machine learning
9. Art of writing papers and Research methodologies -AICTE Marghadarshan
10. CII EDU Summit "Digitalization-Internationalization & Collaborations in Higher Education
11. Pedagogy for Online and Blended Teaching learning process by IIT Bombay
12. Foundation program in ICT for Education by IIT Bombay
13. Workshop on IOT using GISMO
14. Embedded systems workshop on TivaC Ornithopter and Energeia

### 5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles / Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided :

a) UG : 6 b) PG :

5.5. Research Interests: IoT Applications

5.6. Ph.D students : Nil

a) Enrolled:

b) Submitted :

c) Awarded :

5.7. Papers published in reviewed journals :

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1.	Rain Streaks Detection and Removal from an Image using Canny Edge Detection and Combination of Filter	<i>IEEE ICESC 2022 - Proceedings, 2022, pp. 1003–1008</i>	ISBN:978-1-6654-7972-1		International
2.	Automated Adaptive IR based Traffic Control	<i>IEEE ICCES 2022 - Proceedings, 2022, pp. 147–151</i>	ISBN:978-1-6654-9635-3		International
3.	Real time fruits quality detection with the help of artificial intelligence	<i>Materials Today: Proceedings, 2020, 33, pp. 4900–4906</i>	Volume 33, Part 7, 2020, Pages 4900-4906	1	

5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/	National/	Period
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		Seminars	International	
1	Rain Streaks Detection and Removal from an Image using Canny Edge Detection and Combination of Filter	<i>3rd ICESCS ICESC 2022 - Proceedings, 2022, pp. 1003–1008</i>	International	19 September 2022
2	Automated Adaptive IR based Traffic Control	<i>7<sup>th</sup> ICCES ICES 2022 - Proceedings, 2022, pp. 147–151</i>	International	29 July 2022
3.	Real time fruits quality detection with the help of artificial intelligence	<i>Materials Today: Proceedings, 2020, 33, pp. 4900–4906</i>		22 September 2020

#### 5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

#### 5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. **Awards / Honors received:** Received appreciation for best practicing Moodle.
7. **Motto:** “Go confidently in the direction of your dreams, live the life you imagined”.  
**IF YOU FAIL NEVER GIVE UP, BECAUSE F.A.I.L MEANS “FIRST ATTEMPT IN LEARNING”— Dr. Abdul kalam.**